

34587-C-PCT-USA-I

SEQUENCE LISTING

<110> Fisher, Paul B.

<120> Reciprocal Subtraction Differential
Display

<130> 34587-C-PCT-USA-I

<140> To Be Assigned
<141> 2003-02-12

<150> US 09/644,460
<151> 2000-08-23

<150> PCT/US99/04323
<151> 1999-02-26

<150> US 09/197,889
<151> 1998-11-23

<150> US 09/185,115
<151> 1998-11-03

<150> US 09/032,684
<151> 1998-02-27

<160> 42

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 371
<212> DNA
<213> *rattus norvegicus*

<220>
<221> unsure
<222> 5, 93, 153, 199, 217, 218, 221, 247, 259, 260, 274, 333,
335, 358, 360
<223> c, t, a or g

<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 1
taaancggtg gtactgctgc acggcctcc gggtaactgga aagacatccc ttgttaaggc 60
attagcccg aaactgacca tcagactgtc aancaggtac cggtatggcc agttaattga

120
aataaacagc cacagcctat tttctaagtg gtnttcagaa agtggcaagt tggtaactaa

180
gatgttccag aagattcang acttgattga tgataannaa nctttgggt ttgtcctgat

240
tgatgangta agcactcann ggtactcatt cttngtctgc attgcctctt gctattactg

300
cctgatccct ctcattttgggt tcactgtgtc gcnanctctt ttctatggat cttttccnan

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360
ccacccgttt c

371

<210> 2
<211> 245
<212> DNA
<213> *rattus norvegicus*

<400> 2
gtgacgtagg gtctgttgcg tcaatggta tagcaagtga tgctctctga ttattactgc 60
tgacaatact cggccaacaa ttcttcata gagtgcgtat aaataactat gttacaaaaa

120
gggggtggtcc ctggagaaca ttacaggctt ccctaggtaa gtgtgcaggt caggagacgg

180
catattcaat cagatggctg atagttctcc gtggttatgc accggctcca gcttgcctac

240
gtcac

245

<210> 3
<211> 178
<212> DNA
<213> *rattus norvegicus*

<220>
<221> unsure
<222> 140, 163
<223> c, t, a or g

<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 3
gcagcatgat gaatttaatg caacagtcat agcagggcaa ggggagagaa aggcatgg 60
actatctgca tcatcaagcg agggcttgc tcggcggcta tgtgcagaga cgagcaggc

120
gaggcactta aaagctgctn gatgaaaatc cacccaggag aantctggc ctacgtca

178

<210> 4
<211> 191
<212> DNA
<213> *rattus norvegicus*

<400> 4
tgacgttaggc ccagacttct cctgggtgga ttttcatcca gcagtttta agtgcctcgc 60
cctgctcgta tctgcacata gcccggaca caagccctcg cttgtatgtat cagatagtcc

120
atctgccttt ctctccccctt gccctgctat gactgttgca ttaaattcat catgctgcc

180
aaaaaaaaaa a

191

<210> 5
<211> 124
<212> DNA
<213> *rattus norvegicus*

<400> 5
ggcataaata cactttattt cattcgaaat gcataatcac actggggagca ctccctttgg 60
agcactcctc tagcagcagg tccgaagtgc tccagcatcg tcagctggct ccaacaccta

120
cgtc

124

<210> 6
<211> 61
<212> DNA
<213> *rattus norvegicus*

<400> 6
ttttttttttt tttggaaaca gaataaagtg ctttattctc tggctggctc tcctacgtca 60
c 61

<210> 7
<211> 216
<212> DNA
<213> *rattus norvegicus*

<220>
<221> unsure
<222> 145
<223> c, t, a or g

<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 7
tcggcgatag cattggagca agtcttatca gcaagcaatg ttttcagtttta tgtttcaaag 60
ttaagaatgg gtttaaactt gctgaacgta aagattgacc ctcaagtcac tgttagctta

120
gtacttgctt attgtatttag tttanatgct agcaccgcat gtgctctgca tattctggtt

180
ttattaaaat aaaaagttga actgaaaaaa aaaaaa

216

<210> 8
<211> 334
<212> DNA
<213> *rattus norvegicus*

<220>
<221> unsure
<222> 42, 107, 126
<223> c, t, a or g

<221> misc_feature
<222> (1)...(334)

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<223> n = A,T,C or G

<400> 8

ttttttttt tttttttttt tttttttttt tngccaggct atgtctcaga 60
ctttattatt attattattta ttattattatataaaataaa acatgtnctt tcaatttagt

120

tacaanagta tttatctcca taacgcttct tcatacatcc ttagtttgg attaaagtac

180

catccacccc aactcaaact gtaaccccca gtaatccct ctaacgtgga aatttctggt

240

ttaacaactc agttaactgc cccacaaaca gtgggaggcc gctcttgcat ggctatgcca

300

cgttaaccctt cactgcttca cttcttcgct ggct

334

<210> 9

<211> 136

<212> DNA

<213> *rattus norvegicus*

<400> 9

gaccgcttgt accatccaac ttgctttgtc ttctgcagag aggaggctaa agcccttgag 60
ctggctggca ctgtactcag gccggaagcc cagctcgcc cggttcttga caaagcaagt

120

tggatggtag aagcgg

136

<210> 10

<211> 316

<212> DNA

<213> *rattus norvegicus*

<400> 10

tgccgagctg ggtattgtga cggttgataa tggcggcatc atgttgccag gtaccggta 60
agcagacctc agagcacagc ttattgtcca gtgctttcac gctcgcgacg tcaaagtcat

120

tgttattgtc acactccatg cctagaaatg cgcatgtcct ctggccatct tcttgacag

180

gggatctgtc ctcttcctcc atgatatcat ttccctctgc atcctgctct ccagctggaa

240

ggccagcaaa attgctgtct ggggactctg ctggggtctc ctcctttct gaaggggccc

300

tgctagcagc tcggca

316

<210> 11

<211> 337

<212> DNA

<213> *rattus norvegicus*

<220>

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<221> unsure
<222> 254, 255, 256, 305, 318
<223> c, t, a or g

<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 11
aggggtcttg atggacttgg gtcggacatc ttagtgacct gtgaattctt ctgtggaggc 60
tgagtctcac gtagccgagt ttaatatctg tgctatttac taaagtatct gccaccaaatt

120
tgtaccaact catagttta tatgaatgtt gatgagtctg tatcataaat agaattgttg

180
atacatcctt aatttgtgca atattgtatg aagaagattt ttatcaatta aaaccacgcc

240
tctttatgat cctnnnaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa

300
aaccnccctca aatccatngg ttctaaccct aaaccct

337

<210> 12
<211> 307
<212> DNA
<213> *rattus norvegicus*

<400> 12
ttttttttt catacaccat caaaccattt ttatttctat agcaacgttt ctcacgtctg 60
aacctgagaa taagtcacca gctttgaca gtaaacatgg gcccttatcaa attatatttag

120
actcctcagt gtcccgccat gtggccttgc accaaatcaa ttagtttag ggccaaaatc

180
ctgtgggtt tcaaataaag tgtcaggtca taaggagggg gagggactca attcatggga

240
acattttac ctgttcaaattt agataaactg aattgcccta tctgtggtca cctggatcca

300
agaccct

307

<210> 13
<211> 296
<212> DNA
<213> *rattus norvegicus*

<220>
<221> unsure
<222> 59, 101, 110, 122, 131, 133, 148, 189, 191, 198
<223> c, t, a or g

<221> misc_feature
<222> (1)...(296)
<223> n = A,T,C or G

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<400> 13
ccctgacat aaatggtaag gaactttttt tttttttttt ttttttttnc 60
gaaataaaca aacacagctt attatttggg ggaacattaa ntctataan tgaacacaaa

120
anaaaattaa nanttaatgg ggggttanaa gggacttga atctatctgg tatcatgaca

180
ttgaagcana nacctgantg accagaaaga gagagagaga gagagagaga gagagagaga

240
gagaggtttc atatgagcta gtgttacagg ctttatttagt ctattagtca gggacc

296

<210> 14
<211> 319
<212> DNA
<213> *rattus norvegicus*

<400> 14
aatcgggctg gatgggtgtt tccggcactg tttcgtagcg gcagcaactg ggtgcttcta 60
tctgaaagcg ggcttcacaa aaactactgc gccacccgac tcgctgcggc atcgcccgg

120
ggcgagtacc gtatcgccctt tcctggtgca gaagaagtgt ttacaggagg cggtcattta

180
ccgcaatctg attctgtttt ttattctccc tggcggtgtga tcgcgatcgg cagttgaaa

240
acgatcgttg aatccacgct cggaaatgat gtggcttcgc cgccaacgct tactgacatt

300
tcatttgtac agcccgatt

319

<210> 15
<211> 287
<212> DNA
<213> *rattus norvegicus*

<400> 15
gccgagctgt gtaaaaccat ctatcctctg gcagatctac ttgccaggcc actcccaggg 60
ggggtagacc ctctaaagct tgagatttat cttacagatg aagacttcga gttgcactc

120
gacatgacca gagatgaatt caacgcactg cccacctgga agcaaatgaa cctgaagaaa

180
gcgaaaggcc tgttctgagg gtgagatgac agccacagag aggtcactgc cactagacca

240
gaaagtggat ggagatatat atttggactg gtgtttttt ctgtcag

287

<210> 16
<211> 344
<212> DNA
<213> *rattus norvegicus*

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aanatctgct taaaagtct ttaatttgc ccatttcctc aaataaaagaa ttttggtaca 60
aattaaagaa ctttaagca gattttgg tgcaactaat agaaaagata aaggcagcct

120
gacatgcatg cactgcctca gtgaccagta aagtcacatg nccttggac gtcagcttag

180
ntttatcacn gtgtcccagg ggtgcttgc aaagagatat tctgccatgc cagattcagg

240
ggctcccatc ttgcgttaagt tggtcacgtg gtcacccagt tcttaatgg atttcacctg

300
ctcattcagg taatgcgtct caatgaagtc acataaagtgg ggatcattct tgtcagtagc

360
cagtttgtga agttccagta gtgactgatt cacactctt tccaagtgca gtgcacactc

420
cattgcattc agcccgctct cccagtcac acggtcacnt a

461

<210> 19
<211> 280
<212> DNA
<213> *rattus norvegicus*

<400> 19
tgacgttaggg ccgagagcaa caagcacaga actccttctc cagtttacc ctgatgaagt 60
tgaggcactc ttctgcactg ggagggcca gcctggggc caggcacatt ggacaccacc

120
ttccccatgga ctacagcgtc aatgccattt cttctattt cttacccctt taggggctgc

180
ccctcttccc attcagccaa cactgagtgt tggagattt ctctttta aaaacacatg

240
agaaaataaaa tgcactttac tccctccccca aaaaaaaaaa

280

<210> 20
<211> 177
<212> DNA
<213> *rattus norvegicus*

<400> 20
gttaggaata aatgttttc agaggtgcga aaaagctttt gttttcttaa accattctta 60
gtctctgcca cacttgacac tccgtcaaag tgagaagcga actaaagacc aactgcggtg

120
gaaaatatta tgtttatgtt ataaaaaaaa atcatgtaac tgcaaaaaaaaaaaaaa

177

<210> 21
<211> 633
<212> DNA
<213> *rattus norvegicus*

<220>

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<221> unsure
<222> 449, 476, 478, 520, 526, 535, 570, 573, 581, 615, 619, 628
<223> c, t, a or g

<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

<400> 21
tgccgagctg aaaacataca tccgcaccgg gttgagatag ctggccctcc gtccccggc 60
atacttttgcataagaacc ccggccttgt taccaggta cggagtgagc tgaaaaattt

120
accgtcgaaa tgggtgatgt cctggaaaaaa atggttcacc agctgccagg cagattcttt

180
gggttccaca ttttcctgcc cacagatgtg gcagaagcgg tcaagtaatg cagcattaca

240
attgaggcag atctttcctt ttctttcctt ggagtggctc aaccagcgat tttggtaaaa

300
aataatcaaa aaagcgacgg caaaactttt gttatattcc cgccgtggc atttgaactg

360
tgcccccggcaa ccgaataact ttaatttttggaaaataaaat gcatactaga ttttagcgg

420
ttgcctcctg gccattgctt cagggccng cacagcgtca gcccagttt accacnanga

480
atatcctaag cgttgaaaca gggcacagcc gaaaaaaacn ctggcnacaa aaaanatccg

540
gacatcctttt ttccaattttt gaaaccgaan gcncgcaaac naaggttctt cggaaaaaaa

600
aatcgccaaa atacncgana tcaaactntc caa

633

<210> 22
<211> 213
<212> DNA
<213> *rattus norvegicus*

<400> 22
tgccgagctg gggggagttc caggaatttg tggactattt ccaggaggaa ttgaggaatc 60
tagaagtaat aagaacttca caagtagaac aacagagttt attgacctct atccttaaga

120
gttaccagag aattttaaaa aaactaaaga acaatcaaag cctggccttg tgccaccacc

180
caaaaacatg tatagcctat gtgcagctcg gca

213

<210> 23
<211> 679
<212> DNA
<213> *rattus norvegicus*

34587-C-PCT-USA-I

<220>
<221> unsure
<222> 5, 11, 12, 13, 16, 18, 21, 23, 30, 36, 40, 41, 48, 50, 53,
 55, 56, 59, 72, 91, 92, 103, 106, 120, 123, 129, 133, 136
<223> c, t, a or g

<221> unsure
<222> 138, 143, 153, 155, 157, 165, 168, 171, 175, 178, 180, 181,
 182, 194, 200, 205, 207, 210, 213, 214, 225, 232, 244, 274,
<223> c, t, a or g

<221> unsure
<222> 281, 285, 294, 299, 313, 349, 353, 358, 360, 374, 386, 388,
 411, 414, 415, 452, 482, 487, 497, 499, 513, 540, 542, 556,
<223> c, t, a or g

<221> unsure
<222> 558, 559, 563, 597, 608, 621, 647, 661, 662, 671, 675
<223> c, t, a or g

<221> misc_feature
<222> (1)...(679)
<223> n = A,T,C or G

<400> 23
ctcanaggc nnnttngngg ncntcatgcn ccaggnccn nccccan an gancnnccng 60
gtaaactaca cnggagtact taagtggaca nnccacatgc ganggncaag gggatcacn

120
tcnctcctnc agnctntncg tgnctctcct gtnctncac tgccncanaa nggangcnc

180
nnctcctatc tgtntacagn aaacntngcn ctnnctctaa gctcncccac tntgtggaaa

240
ggcnatgtgt gcgtgcctct cccctatcac ggcngttgc naaangggga tgnctgcnc

300
ggcgatgaag ttnggtcact ccatgttcc cagtcnacc tggtagacna agnattgnan

360
tgtgatacga ctcnctgtaa gggantngc ggacccagta tgttggccc naclnnccact

420
tctttaaatg gtggctaacf ggcgttccta gnataaacac tattggccc cccctctgca

480
gnaccnnta cttccgnana aaaattgtt tcntgatccg cgacaaccac accgtctgtn

540
gnttttagtt gcaacncnna tcnctccaaa aaagttcag aaatcttcat tttccnngt

600
tgagccntg acaaaccct naggattgt cgaatgtaaa gtctccngat cttcaataaa

660
nntccaaaag nctancgat

679

<210> 24
<211> 1150
<212> DNA

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<211> 348

<212> PRT

<213> *rattus norvegicus*

<400> 25

Gly Gly Asp Gly Ser Met Ala Ala Leu Tyr Gly Gly Val Glu Gly Gly
 1 5 10 15
 Gly Thr Arg Ser Lys Val Leu Leu Ser Glu Asp Gly Gln Ile Leu
 20 25 30
 Ala Glu Ala Asp Gly Leu Ser Thr Asn His Trp Leu Ile Gly Thr Gly
 35 40 45
 Thr Cys Val Glu Arg Ile Asn Glu Met Val Asp Arg Ala Lys Arg Lys
 50 55 60
 Ala Gly Val Asp Pro Leu Val Pro Leu Arg Ser Leu Gly Leu Ser Leu
 65 70 75 80
 Ser Gly Gly Glu Gln Glu Asp Ala Val Arg Leu Leu Met Glu Glu Leu
 85 90 95
 Arg Asp Arg Phe Pro Tyr Leu Ser Glu Ser Tyr Phe Ile Thr Thr Asp
 100 105 110
 Ala Ala Gly Ser Ile Ala Thr Ala Thr Pro Asp Gly Ile Val Leu
 115 120 125
 Ile Ser Gly Thr Gly Ser Asn Cys Arg Leu Ile Asn Pro Asp Gly Ser
 130 135 140
 Glu Ser Gly Cys Gly Gly Trp Gly His Met Met Gly Asp Glu Gly Ser
 145 150 155 160
 Ala Tyr Trp Ile Ala His Gln Ala Val Lys Ile Val Phe Asp Ser Ile
 165 170 175
 Asp Asn Leu Glu Ala Ala Pro His Asp Ile Gly His Val Lys Gln Ala
 180 185 190
 Met Phe Asn Tyr Phe Gln Val Pro Asp Arg Leu Gly Ile Leu Thr His
 195 200 205
 Leu Tyr Arg Asp Phe Asp Lys Ser Lys Phe Ala Gly Phe Cys Gln Lys
 210 215 220
 Ile Ala Glu Gly Ala Gln Gln Gly Asp Pro Leu Ser Arg Phe Ile Phe
 225 230 235 240
 Arg Lys Ala Gly Glu Met Leu Gly Arg His Val Val Ala Val Leu Pro
 245 250 255
 Glu Ile Asp Pro Val Leu Phe Gln Gly Glu Leu Gly Leu Pro Ile Leu
 260 265 270
 Cys Val Gly Ser Val Trp Lys Ser Trp Glu Leu Leu Lys Glu Gly Phe
 275 280 285
 Leu Leu Ala Leu Thr Gln Gly Arg Glu Gln Gln Ala Gln Asn Ser Phe
 290 295 300
 Ser Ser Phe Thr Leu Met Lys Leu Arg His Ser Ser Ala Leu Gly Gly
 305 310 315 320
 Ala Ser Leu Gly Ala Arg His Ile Gly His His Leu Pro Met Asp Tyr
 325 330 335
 Ser Val Asn Ala Ile Ala Phe Tyr Ser Tyr Thr Phe
 340 345

<210> 26

<211> 800

<212> DNA

<213> *rattus norvegicus*

<400> 26

ggcacagagct ctcctcggtcc cttcccttct ccactgcagc ctttctctta gcccgaacca 60
 cttccttctt ctgcttggttc ctccccttaggg cgccggaaagct gagtgcaggg ttcagaccca

120

cgcggcgagc agctcttcag tgaagaagga agcaatcgga gggtcagcaa tgaacgtgga

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180 gcatgagggtt aacccctgg tggagaaat tcatcgctg gttccaaaa atgccatgg
240 gaaactgagt gtgaagttt gggcctctt ccaagacgac agatgtgcca atctcttga
300 aaccgttgtt gggactctg aaagccgca aaacgaagga agattgttac gtacgcagaa
360 gagctgctt tgcaagggtt tcgtatgtat gttgacattt tattgctgca agattaatgt
420 ggttgcaga tctggggta tctggtaaac tggataatt aagttaaagg acaaacatga
480 agttccttat gtatTTTAT agacCTTGT aaacAAAGG ggACTTGTG agaAGTCCTG
540 ttTTTATAcc ttggagcaaa acattacaat gtAAAATAA aCAAAACCTG ttATTTTTT
600 tttcttaaga aggtaatcgg gagacgtagg caataAAAtg tttcagagg tgcAAAAAG
660 ctTTTGTttt cttaaaccat tcttagtctc tgccacactt gacactCCGT caaagtgaga
720 agcgaactaa agaccaactg cggtgaaaaa tattatgttt atgtataaaa aaaaaatcat
780 gtaaaaaaaaaaaaaaa
800

<210> 27
<211> 92
<212> PRT
<213> *rattus norvegicus*

<400> 27
Met Asn Val Glu His Glu Val Asn Leu Leu Val Glu Glu Ile His Arg
1 5 10 15
Leu Gly Ser Lys Asn Ala Asp Gly Lys Leu Ser Val Lys Phe Gly Val
20 25 30
Leu Phe Gln Asp Asp Arg Cys Ala Asn Leu Phe Glu Thr Val Gly Gly
35 40 45
Asn Ser Glu Ser Pro Gln Asn Glu Gly Arg Leu Leu Arg Thr Gln Lys
50 55 60
Ser Cys Phe Cys Lys Val Phe Met Met Met Leu Thr Leu Tyr Cys Cys
65 70 75 80
Lys Ile Asn Val Val Cys Arg Ser Gly Gly Ile Trp
85 90

<210> 28
<211> 1538
<212> DNA
<213> *rattus norvegicus*

<220>
<221> unsure
<222> 652, 1523

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<223> c, t, a or g

<221> misc_feature

<222> (1)...(1538)

<223> n = A,T,C or G

<400> 28

gtgtgggtg tctctcagac gtccgtgaca ctttgatcct gccctgccgg cacctgtgcc 60
tctcaacac ctgtgcagac accctgcgct accaggccaa caactgcccc atctgccggc

120

tgccttcgg ggcactgctt cagatccgag ccatgaggaa aaaattgggc cctctgtctc

180

caagcagctt taacccatc atctttccc agacttcgga ctctgaggaa cattcatcct

240

cagagaacat ccctgcgggc tatgaagtgg tgtctctcct ggaggccctc aatggggccc

300

tcacccatc cccagcggtg cctcccttc acgttcttgg agatggccac ctctcagggaa

360

tgctgccgtc ctatggcagt gatggccacc tgccccctgt taggacactg tcccccttg

420

accacctgtc tgattgcaac agccaagggc tcaaactcaa caagtctctc tccaagtcca

480

tttcccgagaa ttcttctgtg cttcacgaag aggaagatga gcgccttgc agtgagtcag

540

acactcagct ctctcagagg ctgtcagccc agcatcctga agagggacct gatgtgactc

600

cagagagtga gaacctcacg ctgtccctt caggggctgt tgaccagtca tnttgacacag

660

ggactccgct ctctccacc atctcctccc cagaagaccc agccagcagc agcctggccc

720

agtcagtcat gtccatggcc tcctccaga tcagcactga caccgtgtcc tccatgtctg

780

gctcctacat tgcacctggc acagaagaag aaggagaggc cccaccttcc ccccgagctg

840

ctagcagggc cccttcagaa gaggaggaga ccccagcaga gtccccagac agcaattttg

900

ctggccttcc agctggagag caggtgcag agggaaatga tatcatggag gaagaggaca

960

gatccccctgt gcaagaagat ggccagagga catgcgcatt tctaggcatg gagtgtgaca

1020

ataacaatga ctttgacgtc gcgagcgtga aagcactgga caataagctg tgctctgagg

1080

tctgcttacc cggtagctgg caacatgatg ccgccattat caaccgtcac aataaccagc

1140

gccggcgact atcaccaggc agcctggagg accctgagga ggacaggcct tgcgtatggg

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1200 atccttggc tgtctgaggg cactggcacc tgtacctggg cttccctcc tgtccgcctt
 1260 ccatctgtcc tcactggacc acaggccttc tggcatctt caacaagaca cgtggacttt
 1320 ctactctcat gaagggagga cagtcaacc ctccaccaac ttcatctcct gtaaccatga
 1380 ttcttaccct ctcagaaagt accagaagcc ttcctcctgt gggctgatgt gtgccagcca
 1440 aacctcgtgg gtcagctgag ctgagggtca gggctgggg tttctgttagc cttttctctt
 1500 ccaaattggag accaacgaga aaaaaaaaaaaaaaaa
 1538

<210> 29
 <211> 404
 <212> PRT
 <213> *rattus norvegicus*

<220>
 <223> unknown amino acid

<221> VARIANT
 <222> (1)...(404)
 <223> Xaa = Any Amino Acid

<400> 29
 Val Val Cys Leu Ser Asp Val Arg Asp Thr Leu Ile Leu Pro Cys Arg
 1 5 10 15
 His Leu Cys Leu Cys Asn Thr Cys Ala Asp Thr Leu Arg Tyr Gln Ala
 20 25 30
 Asn Asn Cys Pro Ile Cys Arg Leu Pro Phe Arg Ala Leu Leu Gln Ile
 35 40 45
 Arg Ala Met Arg Lys Lys Leu Gly Pro Leu Ser Pro Ser Ser Phe Asn
 50 55 60
 Pro Ile Ile Ser Ser Gln Thr Ser Asp Ser Glu Glu His Ser Ser Ser
 65 70 75 80
 Glu Asn Ile Pro Ala Gly Tyr Glu Val Val Ser Leu Leu Glu Ala Leu
 85 90 95
 Asn Gly Pro Leu Thr Ser Ser Pro Ala Val Pro Pro Leu His Val Leu
 100 105 110
 Gly Asp Gly His Leu Ser Gly Met Leu Pro Ser Tyr Gly Ser Asp Gly
 115 120 125
 His Leu Pro Pro Val Arg Thr Leu Ser Pro Leu Asp His Leu Ser Asp
 130 135 140
 Cys Asn Ser Gln Gly Leu Lys Leu Asn Lys Ser Leu Ser Lys Ser Ile
 145 150 155 160
 Ser Gln Asn Ser Ser Val Leu His Glu Glu Glu Asp Glu Arg Ser Cys
 165 170 175
 Ser Glu Ser Asp Thr Gln Leu Ser Gln Arg Leu Ser Ala Gln His Pro
 180 185 190
 Glu Glu Gly Pro Asp Val Thr Pro Glu Ser Glu Asn Leu Thr Leu Ser
 195 200 205
 Ser Ser Gly Ala Val Asp Gln Ser Xaa Cys Thr Gly Thr Pro Leu Ser
 210 215 220
 Ser Thr Ile Ser Ser Pro Glu Asp Pro Ala Ser Ser Ser Leu Ala Gln

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225	230	235	240
Ser Val Met Ser Met Ala Ser Ser Gln Ile Ser Thr Asp Thr Val Ser			
245	250	255	
Ser Met Ser Gly Ser Tyr Ile Ala Pro Gly Thr Glu Glu Glu Gly Glu			
260	265	270	
Ala Pro Pro Ser Pro Arg Ala Ala Ser Arg Ala Pro Ser Glu Glu Glu			
275	280	285	
Glu Thr Pro Ala Glu Ser Pro Asp Ser Asn Phe Ala Gly Leu Pro Ala			
290	295	300	
Gly Glu Gln Asp Ala Glu Gly Asn Asp Ile Met Glu Glu Glu Asp Arg			
305	310	315	320
Ser Pro Val Gln Glu Asp Gly Gln Arg Thr Cys Ala Phe Leu Gly Met			
325	330	335	
Glu Cys Asp Asn Asn Asn Asp Phe Asp Val Ala Ser Val Lys Ala Leu			
340	345	350	
Asp Asn Lys Leu Cys Ser Glu Val Cys Leu Pro Gly Thr Trp Gln His			
355	360	365	
Asp Ala Ala Ile Ile Asn Arg His Asn Thr Gln Arg Arg Arg Leu Ser			
370	375	380	
Pro Ser Ser Leu Glu Asp Pro Glu Glu Asp Arg Pro Cys Val Trp Asp			
385	390	395	400
Pro Leu Ala Val			

<210> 30
<211> 922
<212> DNA
<213> *rattus norvegicus*

<400> 30
ggcacgaggc gccgccttcc tgctcgccct ctagccgc cttccgtctc gcgcctatc 60
ggcgcctccg agtcttcctg cgccccgggc ttccgcccgt tcattgattt ccgtttctcg
120
ccgctgcagc ctccctgacac ggtgatccgg gcggggcccg caggaatttt atcccctcac
180
cggcctcaca ctagtgtcgc atgtccacta tccagaacct ccaatcttc gaccctttg
240
ctgatgcaac taagggcgac gacttactcc cggcagggac tgaggactac attcatataa
300
gaatccagca gcggAACGGC aggaagacgc tgaccactgt gcagggcatt gcggacgatt
360
atgacaaaaaa gaaacttgtg aaagcttca aaaagaaatt cgcctgtaat gggactgtga
420
ttgaacaccc tgagtacgga gaggtcattc agcttcaagg cgaccaaagg aagaacattt
480
gccagttct tttggaggtt ggcacatgtca aggaggagca gctgaaggtt cacggattct
540
aagatgaacc cgaacatgtg gcgagttct taaatggtt tgggtctaa ctcagttgg
600
ctgcctcggg agatgattct ttacagtaaa cgacagactt tgcgtttatt aaatcattca
660
gacttccact cacgcctgca tggctacaga aaacatgggg tatgtaggct cctaagtcac

720
aaggaaatcg ccgtgaggtg gggacgaagc ccgagtccgt cctgacatgt ttccagtgga

780
aaagattttg ttctgagcgt tcatttctag tttatttca cttgattgtt aaatgtttt

840
gttggttttt tattaaacca tgtatgttgc agcttaacaa taaaggagga aagtctgtgc

900
gtcaaaaaaa aaaaaaaaaa aa

922

<210> 31
<211> 113
<212> PRT
<213> *rattus norvegicus*

<400> 31
Met Ser Thr Ile Gln Asn Leu Gln Ser Phe Asp Pro Phe Ala Asp Ala
1 5 10 15
Thr Lys Gly Asp Asp Leu Leu Pro Ala Gly Thr Glu Asp Tyr Ile His
20 25 30
Ile Arg Ile Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln
35 40 45
Gly Ile Ala Asp Asp Tyr Asp Lys Lys Leu Val Lys Ala Phe Lys
50 55 60
Lys Lys Phe Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly
65 70 75 80
Glu Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Ile Cys Gln Phe
85 90 95
Leu Leu Glu Val Gly Ile Val Lys Glu Glu Gln Leu Lys Val His Gly
100 105 110
Phe

<210> 32
<211> 1856
<212> DNA
<213> *rattus norvegicus*

<400> 32
ggcgttgcga cgtggacatg tcggcgctgt tggtccgcgc caccgtgcgg gccgtgagca 60
agagaaaact gcaacccacg cggggggcgc tcacgctgac cccctctgct gtgaacaaga

120
taaaacaact tcttaaagac aagcctgagc atgtgggtct gaaagtgggt gtgcggacca

180
ggggctgtaa cggcctctct tacagcctgg agtatacaa gacaaaagga gatgctgatg

240
aagaagttat tcaagacgga gtccgagtgt tcatcgagaa gaaagcccag ctaaccctgt

300
taggcacaga gatggactat gtggaagaca aactgtccag tgagtttgtg tcaacaaccc

360
caacatcaag ggaacctgtg gctgcggta aagcttaac gtctgaaagc tgaggactgc

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420 aaactccagg agagctgggt ctgccttgg a gcacaccgaa gaaatcatgt gatgtcccgt
480 gtcggaagtt agtgtgtggc tgcctcggt ttgagaataa agtgaagcat tgaaaatcaa
540 gccagcgtgt tagagttcca aaaacatggt gtctgttctc tgtaagacac aatggagag
600 aacatggtgt ctgttctctg gaggacacaa actgagaaac ttttgagtcc tctgtcctgt
660 acagaaaact cttaccctgc cttacgctg tagcctgctc tgtgcttagaa ccagcttcgt
720 gaccattgct ttgctggaa ttgaggaatg ggataacggg tgtgcacctg ggtcacagaa
780 tggcttgaga ctgttccctg cccctgtctc acctcaggca gggcagctgt gggagcagca
840 gctgtggag cggtgagggg acctggtttc cttcacctgt ggcgtggccc gttgcacatctt
900 taccacgtgc ctgttgcatt atacccatt tgccagcctc cagcaagctc agctatgagt
960 gccagtctca ggaggttaggg atcacgggcc tggtgtcagt ctgtcctctg gggcgtgctt
1020 catgcggttt gcttagacct ttcagttaga agcgcttgc atgagcagcc agtagacacct
1080 gctgagagcg tggttctcag agcttctgcc cagccctcct cacaggtcac agcagacagt
1140 gctgtctgag acactcggtg aggagacatc ctgcctggcc agtgcctcta ccagtttaga
1200 gactgcatta gtttctctt gaatggaagc cttgtgtaaa ccctttgtc tgaatggcca
1260 tcctgtttag agcttgaac cagtagtgta tccttcaga agatctgcag cagaggggtc
1320 cctctcagca cggcacctgg gggcagaac atgcacacac ttacagttgc cagggtgcag
1380 atgctccctg cttcccgagag gaagcttcta agttttta atgtggtcat caccagttt
1440 ttgagccatg gtttgcgtt atactacagg ccagcattga acccacaaca atcctcctgc
1500 ttccacgttc agaggcatgt gctaccacac ctgacctgg a tcccaagttt ctcttaagt
1560 ggtcttgatg gacttgggtc ggacatcttta gtgacctgtt aattcttctg tggaggctga
1620 gtctcacgttta gccgagtttta atatctgtgc tatattactaa agtatctgcc accaaattgt

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1680 accaactcat agtttatata gaatgttcat gagtctgtat cataaataga attgttata

1740 catcctaata ttgtgcaata ttgtatgaag aagatttta tcaattaaaa ccacgcctct

1800 ttatgatcct aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaaaaa

1856

<210> 33

<211> 134

<212> PRT

<213> *rattus norvegicus*

<400> 33

Arg Cys Asp Val Asp Met Ser Ala Ser Leu Val Arg Ala Thr Val Arg
1 5 10 15
Ala Val Ser Lys Arg Lys Leu Gln Pro Thr Arg Ala Ala Leu Thr Leu
20 25 30
Thr Pro Ser Ala Val Asn Lys Ile Lys Gln Leu Leu Lys Asp Lys Pro
35 40 45
Glu His Val Gly Leu Lys Val Gly Val Arg Thr Arg Gly Cys Asn Gly
50 55 60
Leu Ser Tyr Ser Leu Glu Tyr Thr Lys Thr Lys Gly Asp Ala Asp Glu
65 70 75 80
Glu Val Ile Gln Asp Gly Val Arg Val Phe Ile Glu Lys Lys Ala Gln
85 90 95
Leu Thr Leu Leu Gly Thr Glu Met Asp Tyr Val Glu Asp Lys Leu Ser
100 105 110
Ser Glu Phe Val Phe Asn Asn Pro Asn Ile Lys Gly Thr Cys Gly Cys
115 120 125
Gly Glu Ser Phe Asn Val
130

<210> 34

<211> 1925

<212> DNA

<213> *rattus norvegicus*

<400> 34

acgagctgaa ggtcacttcg cgcacggtt ggacctgggg cagggtggag gagtaggagt 60
atgtcattgg gcgcaagac gggctctgg gcaaaaaaga agggaggctg gagaaatctg

120

gaccggagac gtagtaagta caacttggca aatacatgtt agaggagcag ggaccacgct

180

catcaaaatc catcattggg ctaccttggg ctctccgcag tagccgagct taacatgatt

240

ctccactgca gctgccttt tgaagcggat ccgtgaagta gaaatttggaa gacgtaagct

300

gacgtggaaa tctatccccca tccttagcag ggaggtgctg gtcatgtgac ccgatgttga

360

aattgacaag ccgcgagcta gtcccggtt tttttttta acccccctcc ctttcctttt

420

ttccccctcc cctccctcct cggcttcctt tctttgtac cacctcaggg gaagcaacag

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480 atcgtcaactc ggtgttctca ccgaaagcac gtaatcgccg gtgtactca tttggctgg
540 ggggcctccc cgctcgaga aaggctgggg tgcgccccca agcagcttc ctttgctcag
600 ctgcattgtc ctggtccacg agcgtctga gggcggcaag agagcgcaac tcctgacgcc
660 tccccccact ccccggtggg tgagggatgc tctggatgg gggtgccag gtgaacgccc
720 ggaattgtgt agttcaggt tccggagtct gttgtccaa ggcttacgtt cagcaccc
780 ttgcagtc ccctcccaca gactgctct ggaaagcacc tcagtctcag aatctggctg
840 gaccccattt ggggcaggc ttgcagcca cgatgtgccg ggcttcgtgg cttgtccat
900 ttgcacggtg acttgattac acgctctcat tcatggtac ttccgaagcg ctttagtgcc
960 ttccgtcccc aaaccgccaa cagggaaagc ggcttcctc cgccgttgtt caataatccg
1020 cgctgtccgg aagggtttcg ctttacccgg gttccacctt ccctgttatct ttctgcttac
1080 ttccctatcc cacactctgt cttggagga accccttctc ctcgctgcct gtaggggttc
1140 ggagtgactc cacagagcca gaggcgcttc tgctcaccgg tccgcaagct gcctggctg
1200 ctgaagctga cgaatcgaaa aaccatgcaa ttgaggcgaa ctttggctg ctttagaggc
1260 gctgaggagc cttctcctgg gaggcccaag gtcgatttca gccaccagg atctggggaa
1320 gacccaaacta gggtaagag cacaccggaa ggccaagtcc gagttccagt cctagaagag
1380 gcggctgcgg gcaaggttat gacattggcc ctggacactg gtttccagg agctattctt
1440 tctcaagaac tccacagcac gggctgtct ccagaaaata ctcttcaacg tttatcc
1500 ttaatcgta acccgagcc ctacggcggt taatgcgaga ggccaaaaat gtttggagga
1560 agaaaaaaca aggcaagggaa tggccgcggc ctgacggtgc gtgtgtgtct gtaaagaagg
1620 gagggagccg gttcaatctc ttctttttt ccccaattt caaggtttag gcagaccccc
1680 gtagggcctg gccgaggctc accccggcgga gcatttggag gtggccaatg agtaaggctc

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1740 gtcgggctga gtttcttcgt atttggcct aaagggtata tgctagtgtc cacagcgct
1800 cctgtggctg ctgtttcct cctgtcggac taaatgtacc aagaagggag agagattgag
1860 gcacccctgcg cgctcccttc tccttccgag gtagaatatc agaataaaagt gtattcaggt
1920 gccaa
1925
<210> 35
<211> 1195
<212> DNA
<213> *rattus norvegicus*
<400> 35
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tcttaacttt atgtttctgc ttccatgtct ccctccctt ccagaggaag ttagcgatgc
120 catagcttta atgtctgttt tagctgcaaa actcattgtt cactttctgt tagaaaatct
180 aaagcaggtg gtatgcaatt tctcttgatt tggatttctt taaaggcaag taaatttggaa
240 actcctgtgt tggggggta acggaggtag gaacccaatg gtgtgtccct aggtcgccc
300 cgttctcgga tagcacagtc tgcataccca tagctctcaa ttatgtcact accctaata
360 tcgcagcccg gttctcacgg actcttgaa gtcccaaat gactttgtt tgatcctgat
420 ttggattttc aatggaaagt aaaagcttgg ggtgaggaag cagcagctaa agcagggagt
480 tgagccagtg aattgctgac ggaaaggatt ctggtcttgg aggaggggaa cctgaagcag
540 aaggaaaaagg gatccttcgc ttaagttctt aggaaaaatc ttgactcaga atcccaagat
600 tttcccttc atcccagccg ggttaaatatt tggtttgc ttttaagtat agcatgaagc
660 ccgtggatga gagccatgtg ttgttaggatt ctctcccta ttggctctga gcttgtgtca
720 ccgttcagtt tgctccctac aaagggacct agtttggaaa ggatttggaaag ggcaactgtt
780 cagcggcaat ggaacaccca aacgtggact gggacaacgg gattctgata aaggaaatt
840 tctggtctgg tcctggctgt gtcatagctc tttatgtgtc catggagagc tcttgatcca

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900
agtagaatat gtaacaatac agaccaggat cttccagtcgtactgctgg gtggaaagtgg
960
gcgggtgatg gtagttgcta gaagaatcat taagacagca tctgcggatgatgcgtccca
1020
aagcctcgcg gcatcagttt catctctaaa ccattagctt acagttgatt ccgtttcctg
1080
ggacagagaa acatccccac gcgaagtgac tgtgttgtt attcatagca ctgcaaataa
1140
attcacgcgc catgatgaaa cttgcaaatac acgcttgac caaaaaaaaaaaaa
1195

<210> 36
<211> 1149
<212> DNA
<213> *rattus norvegicus*

<400> 36
gggtgtgggg cagctgggtg ggagcagcgt gcaggctacc agcaccaagt ggtgtgcctc 60
tccgggggtg tgtgcagaag gtcctgggg aaaactgcac agtaccacc cctagacaga
120
aatcgaaaac ccacttctct cggtgcccca agcaatacaa gcattactgc atccatggga
180
gatgccgctt cgtgatggac gaacaaactc ctcctgcat ctgtgagata ggctactttg
240
gggcccggtg tgagcaggtg gacctgtttt atctccagca ggacaggggg cagatcctgg
300
tggctcgctt gataggcgtc atggtgctgt tcattcattt agtattggc gtctgcacc
360
tgctgtcatc ctcttcggaa acatcgaaa aagaagaagg aagagaaaat ggaaactttg
420
agtaaagata aaactcccat aagtgaagat attcaagaga ccaatattgc ttaacttaat
480
gattataaag ttaccacaag ctgatggcga gctccaaaag acctgactca tttgcagatg
540
gacaggacat gtctcaggaa aacagcttc agaaatgaat gtttaatata tgtatggct
600
ttttcatttt atttgttaact gtgtgttgtt attgtttta ataatgatata tttgttaca
660
gtctgatagc tgagaaaaaa atgacctggtaggtgacga caataaggga cattgaatat
720
aaactttgtt gctaggatta ttaaacaac aaaatttggaa aagaagtttag attttaagaa
780
ctgagtcatg gtcaggcagc gatggcacac atcttaatc ccagcacttg ggagcagagg
840

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caggtagatc tctgggagtt tgaggtcagc ctggcttaca aagcaagatc caggtagcc
900
aaggatatat agagaaaccc tgtctcacaa aaccaaacc accaatcaac caaacagcaa
960
aacacctgag tcgataaaaag ggctccccag gtttatacac ttaccgtatg ctaagagctt
1020
gaaatatatt gtttcgtttt atcggttcaagt agtctgtgag attgcatttt ttctcattcc
1080
tatataaaaa aaagttaaat gatcccctt agatgttagag atagaggaag ttagcgatgc
1140
catagcttt

1149

<210> 37
<211> 717
<212> PRT
<213> *rattus norvegicus*

<400> 37
Asn Thr Cys Asn Asn Cys Thr Thr Asn Asn Cys Asn Asn Gly Gly
1 5 10 15
Cys Thr Gly Ala Thr Ala Thr Cys Asn Gly Gly Cys Asn Cys Thr Thr
20 25 30
Cys Asn Thr Cys Cys Asn Cys Gly Ala Thr Cys Asn Cys Ala Gly Ala
35 40 45
Thr Ala Cys Asn Asn Gly Cys Asn Cys Ala Cys Cys Gly Gly Asn Asn
50 55 60
Asn Thr Asn Thr Cys Asn Gly Asn Gly Gly Thr Asn Ala Thr Cys Asn
65 70 75 80
Thr Cys Cys Asn Cys Ala Thr Cys Thr Cys Thr Cys Asn Thr Cys
85 90 95
Cys Cys Cys Gly Ala Cys Asn Thr Gly Cys Ala Cys Thr Cys Cys Gly
100 105 110
Gly Gly Thr Asn Thr Asn Asn Thr Ala Cys Ala Cys Asn Gly Gly Ala
115 120 125
Cys Ala Cys Thr Gly Thr Ala Thr Cys Asn Asn Ala Cys Ala Gly Asn
130 135 140
Ala Ala Ala Cys Cys Thr Asn Cys Cys Asn Gly Gly Cys Cys Cys
145 150 155 160
Cys Ala Gly Gly Gly Ala Thr Cys Ala Cys Cys Ala Thr Asn Cys Cys
165 170 175
Thr Cys Gly Asn Cys Cys Asn Gly Cys Asn Thr Gly Thr Asn Thr
180 185 190
Ala Thr Ala Ala Asn Ala Thr Cys Ala Gly Gly Asn Asn Asn Thr Ala
195 200 205
Cys Ala Thr Cys Asn Ala Asn Gly Ala Ala Cys Asn Asn Ala Cys Thr
210 215 220
Ala Thr Cys Ala Cys Asn Gly Asn Thr Cys Thr Cys Thr Asn Thr Thr
225 230 235 240
Asn Asn Cys Thr Cys Ala Gly Thr Gly Thr Asn Cys Ala Cys Cys Thr
245 250 255
Thr Cys Cys Ala Cys Thr Asn Cys Asn Gly Ala Ala Asn Cys Thr Asn
260 265 270
Asn Thr Cys Gly Cys Thr Asn Cys Asn Cys Cys Asn Cys Asn Gly Thr
275 280 285
Thr Gly Gly Gly Ala Ala Ala Gly Gly Cys Gly Ala Asn Cys Asn Gly
290 295 300

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Thr Asn Cys Cys Gly Gly Cys Asn Ala Cys Ala Thr Gly Cys Cys Gly
 305 310 315 320
 Thr Thr Thr Asn Cys Gly Asn Cys Asn Thr Cys Thr Gly Asn Asn Cys
 325 330 335
 Ala Cys Asn Thr Gly Gly Gly Ala Thr Cys Thr Asn Cys Thr Asn
 340 345 350
 Cys Ala Ala Asn Gly Asn Ala Ala Thr Cys Ala Ala Thr Thr Asn Gly
 355 360 365
 Asn Gly Thr Ala Ala Cys Cys Ala Cys Gly Gly Thr Thr Thr Asn
 370 375 380
 Cys Asn Cys Ala Ala Thr Cys Ala Cys Thr Ala Cys Thr Thr Cys Thr
 385 390 395 400
 Cys Ala Asn Asn Cys Asn Ala Asn Gly Gly Cys Cys Asn Thr Thr Gly
 405 410 415
 Ala Ala Asn Thr Gly Thr Thr Ala Thr Cys Cys Ala Cys Cys Ala
 420 425 430
 Cys Cys Ala Asn Gly Gly Gly Cys Asn Ala Asn Thr Cys Gly Gly
 435 440 445
 Gly Ala Cys Cys Thr Asn Ala Cys Ala Ala Thr Thr Cys Ala Thr Cys
 450 455 460
 Cys Thr Cys Ala Gly Cys Cys Gly Gly Cys Cys Cys Ala Gly Asn
 465 470 475 480
 Cys Thr Thr Ala Ala Ala Ala Ala Thr Thr Cys Ala Ala Ala Gly
 485 490 495
 Gly Asn Cys Asn Cys Thr Thr Gly Cys Cys Gly Cys Asn Thr Thr
 500 505 510
 Asn Thr Thr Asn Cys Cys Thr Thr Ala Gly Cys Cys Cys Gly Cys Cys
 515 520 525
 Asn Cys Cys Asn Gly Ala Cys Ala Ala Cys Ala Asn Cys Cys Asn Ala
 530 535 540
 Asn Asn Ala Ala Cys Ala Ala Cys Cys Cys Cys Asn Asn Thr Cys
 545 550 555 560
 Thr Thr Ala Asn Gly Thr Thr Gly Cys Asn Asn Ala Asn Cys Cys Cys
 565 570 575
 Ala Cys Ala Gly Gly Ala Asn Asn Thr Thr Gly Asn Asn Ala Thr Ala
 580 585 590
 Cys Cys Gly Gly Gly Thr Thr Thr Cys Cys Cys Cys Asn Gly Ala Ala
 595 600 605
 Ala Cys Thr Asn Cys Thr Cys Ala Ala Asn Gly Cys Cys Asn Cys Cys
 610 615 620
 Gly Thr Thr Cys Cys Ala Ala Cys Cys Cys Cys Cys Gly Thr Thr Ala
 625 630 635 640
 Cys Gly Ala Ala Ala Cys Cys Gly Thr Asn Cys Cys Cys Asn Thr Thr
 645 650 655
 Thr Cys Cys Thr Thr Cys Cys Gly Ala Gly Asn Thr Thr Gly Cys Cys
 660 665 670
 Thr Ala Thr Thr Ala Ala Asn Asn Cys Cys Cys Cys Cys Asn Ala Ala
 675 680 685
 Gly Thr Thr Cys Thr Asn Cys Thr Thr Cys Gly Thr Thr Asn Gly Asn
 690 695 700
 Thr Thr Cys Cys Thr Cys Cys Gly Ala Ala Ala Asn Gly
 705 710 715

<210> 38
 <211> 235
 <212> DNA
 <213> *rattus norvegicus*

<220>
 <221> unsure

<222> 10, 11, 12, 13, 18, 20, 29, 30, 31, 39, 40, 46, 47, 49,
 58, 71, 84, 90, 103, 111, 123, 126, 139, 141, 165, 185, 192,

199

<223> c, t, a or g

<221> unsure

<222> 204, 211, 213, 214, 228

<223> c, t, a or g

<221> misc_feature

<222> (1)...(235)

<223> n = A,T,C or G

<400> 38

tcactgggcn nnntggtngn cgtcatgcnn nagttccnn ccccnang aacctccngg 60
 taatctacac nggagtctta agtngacaan cccacactgc ganggtcaag nggatcacca

120

tcnccncctc ccaagcttnt ncattgatgc tctctctgtt ccgtnccttg ccgctacaca

180

tggangctct tnctccttnt ctcncttac nanncaaaca ttgccctntc tcata

235

<210> 39

<211> 328

<212> DNA

<213> *rattus norvegicus*

<220>

<221> unsure

<222> 6, 11, 12, 28, 37, 40, 50, 68, 74, 86, 89, 93, 101, 107,
 117, 145, 159, 163, 164, 169, 172, 178, 179, 184, 186, 191

<223> c, t, a or g

<221> unsure

<222> 192, 203, 204, 205, 215, 218, 219, 228, 229, 232, 233,
 235, 237, 239, 245, 247, 248, 250, 252, 254, 266, 274, 279

<223> c, t, a or g

<221> unsure

<222> 284, 288, 290, 300, 304, 312, 317, 322

<223> c, t, a or g

<221> misc_feature

<222> (1)...(328)

<223> n = A,T,C or G

<400> 39

gggaanggga nnaaaaagga atttttngg ggggggnntn tctggaaan tttttttttt 60
 tttttggnaa aaangggggg ggaaanaanc Cgntttccc naaaacnggg gggAACnggc

120

cgggggggga aaaaaaaggg ttacnaaggg aaactttta aannggaang gntttgcnn

180

cctntngaaa nntttgcccc ccnnnaggaa tcccnggnna aacccaannc cnncncncng

240

ggggncnnn cnangggacc ccaacncggg cccnaactng gggnaaan anggcaaaacn

300

ggtncccggg gnaaaanggt anccctc

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328

<210> 40
<211> 196
<212> DNA
<213> *rattus norvegicus*

<400> 40
tgccgagctg ggggtgaagc accggaaaac aaccgatcca tctcttatca cagggtctcc 60
aagatccaa acccaaagc cacattgtta attagcctt ttattgtgtt tttttttttt

120
ttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt

180
ttttggcagc tcggca

196

<210> 41
<211> 422
<212> DNA
<213> *rattus norvegicus*

<400> 41
tacgggcgct gatTTTACG aacATTACCT ggcAGGGGA ATTGTATAAG TATCCACTGT 60
gggtggcgac tacCTGGTAA aAGACAAACC CCgtgtgaaa aggCCCTGGA CTTTTGGCA

120
acacaacgaa accggccacg tgaatggcat ccggctttat gtggacttca atgtttcaa

180
cggggacagc acagattttg ccgaactatt aatgaaataa tgCAGAATT CGCTTTCAA

240
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300
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ca

422

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<211> 304.
<212> DNA
<213> *rattus norvegicus*

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<222> 2, 7, 71, 80, 87, 88, 92, 97, 98, 99, 103, 109, 110, 130,
133, 141, 147, 150, 159, 162, 165, 169, 172, 174, 179, 182
<223> c, t, a or g

<221> unsure
<222> 184, 190, 194, 195, 200, 202, 207, 209
<223> c, t, a or g

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<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

<400> 42

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120

tgttgtttn ttnaaactgt ntgttgncan ttcaacatna anggnaggna antntgtgnc

180

tncnttgcan tgtnnncatgn tncccananc ccaaaaaaaaaaaaaaaa aaaaagagta

240

caaatatcac aaaatttgc ac atttttgtaa taatactttg gttgttgtt ggtgacggcg

300

attg

304

NY02:364000.1

NY02:364000.1